

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P676905

Luminaire Tested: **CCW-SA-1A-835-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676905
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-835-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

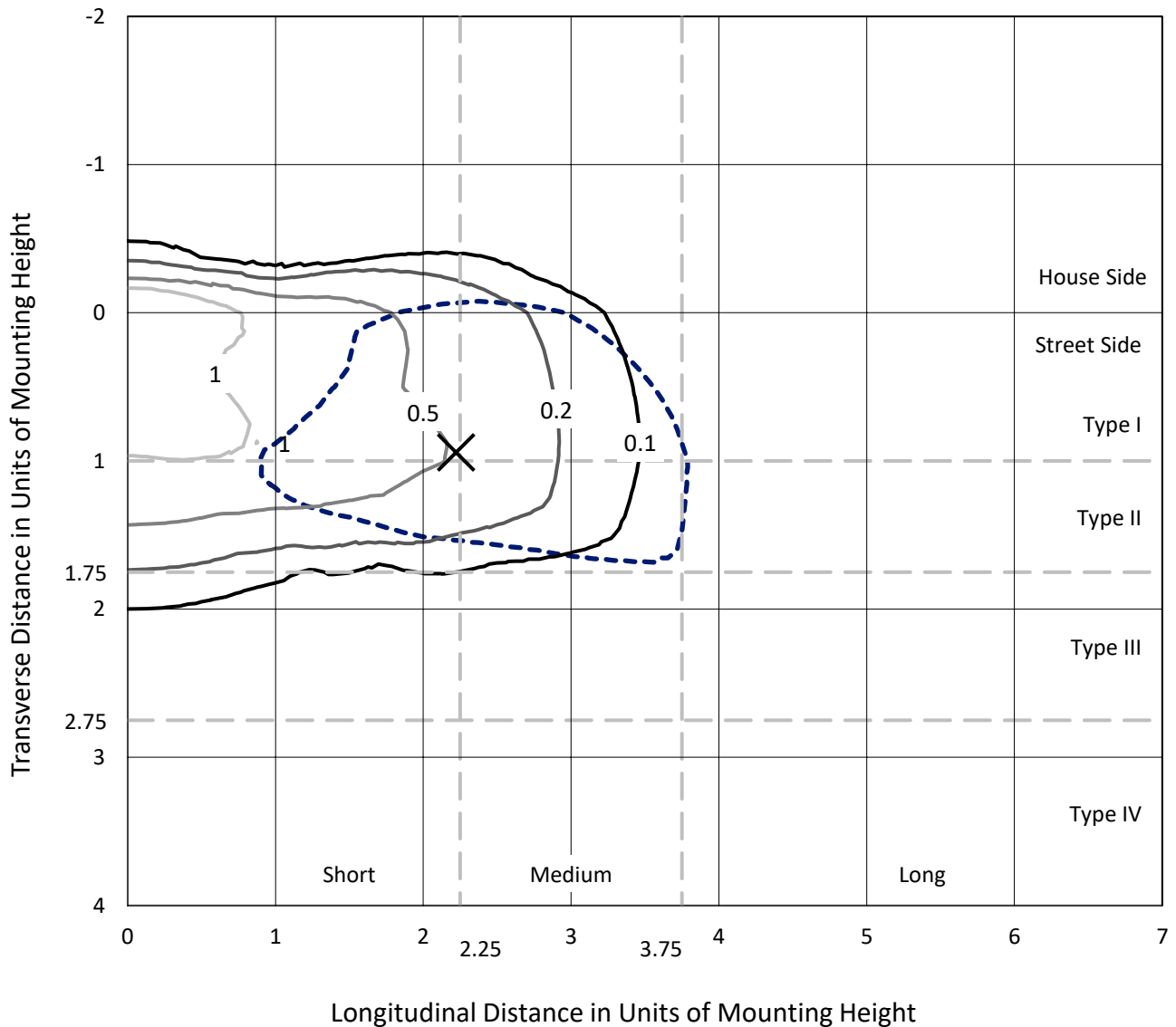
Lumens per Lamp: N/A
Luminaire Lumens: 1812.8 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

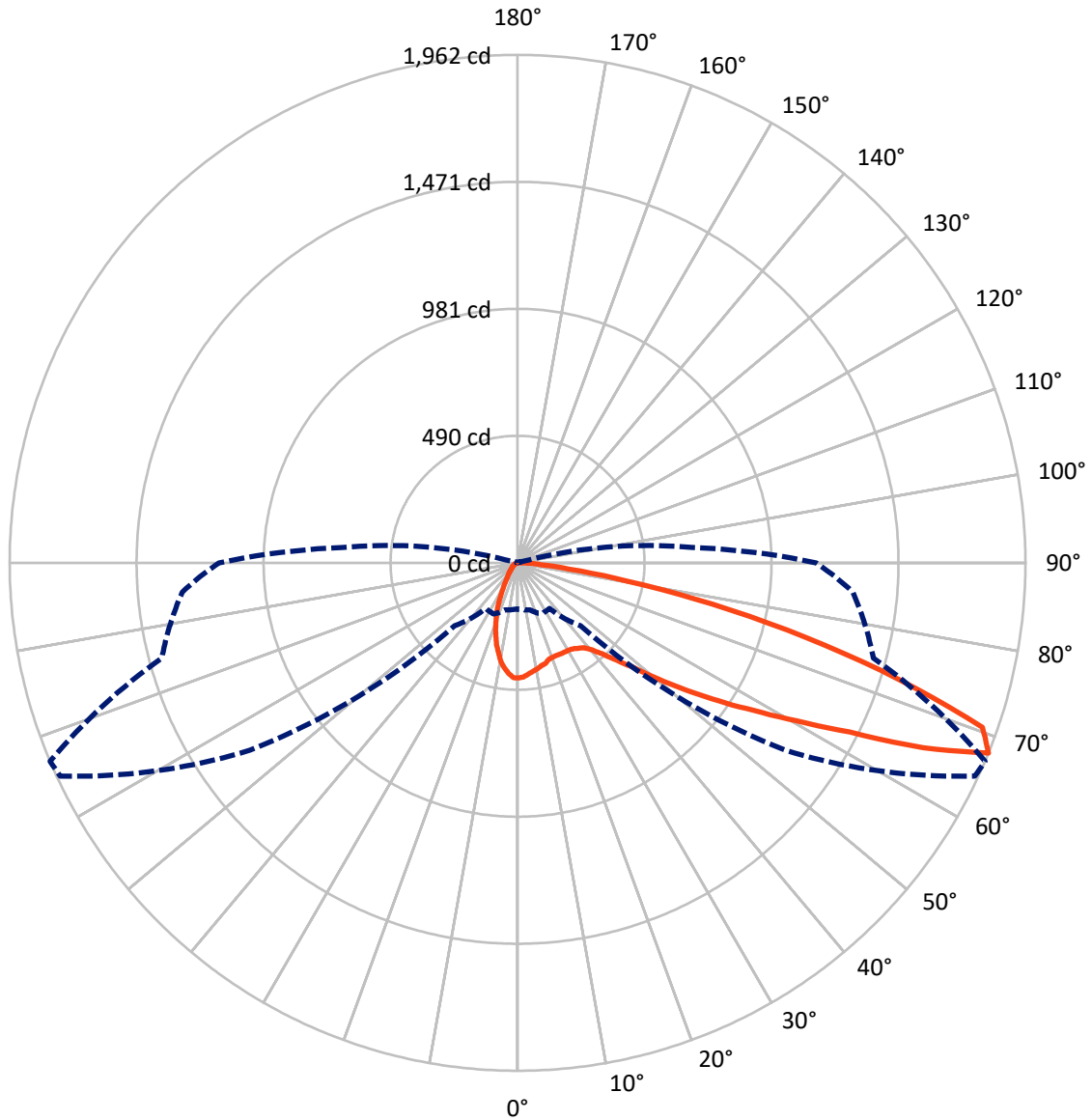
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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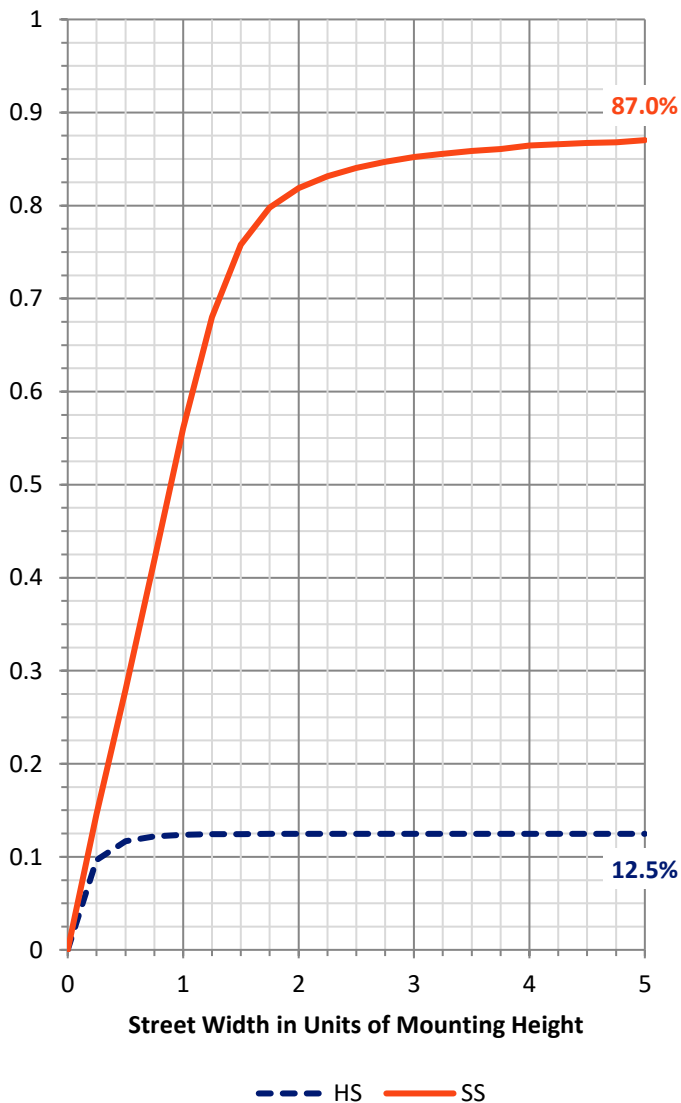
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	228.2	0.0	228.2
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	1584.7	0.0	1584.7
	% Fixture	87.4	0.0	87.4
Total	Lumens	1812.8	0.0	1812.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	2.1
10°-20°	83.2	4.6
20°-30°	118.3	6.5
30°-40°	172.3	9.5
40°-50°	266.7	14.7
50°-60°	409.3	22.6
60°-70°	443.7	24.5
70°-80°	250.3	13.8
80°-90°	31.5	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1812.8	100.0
0°-180°	1812.8	100.0

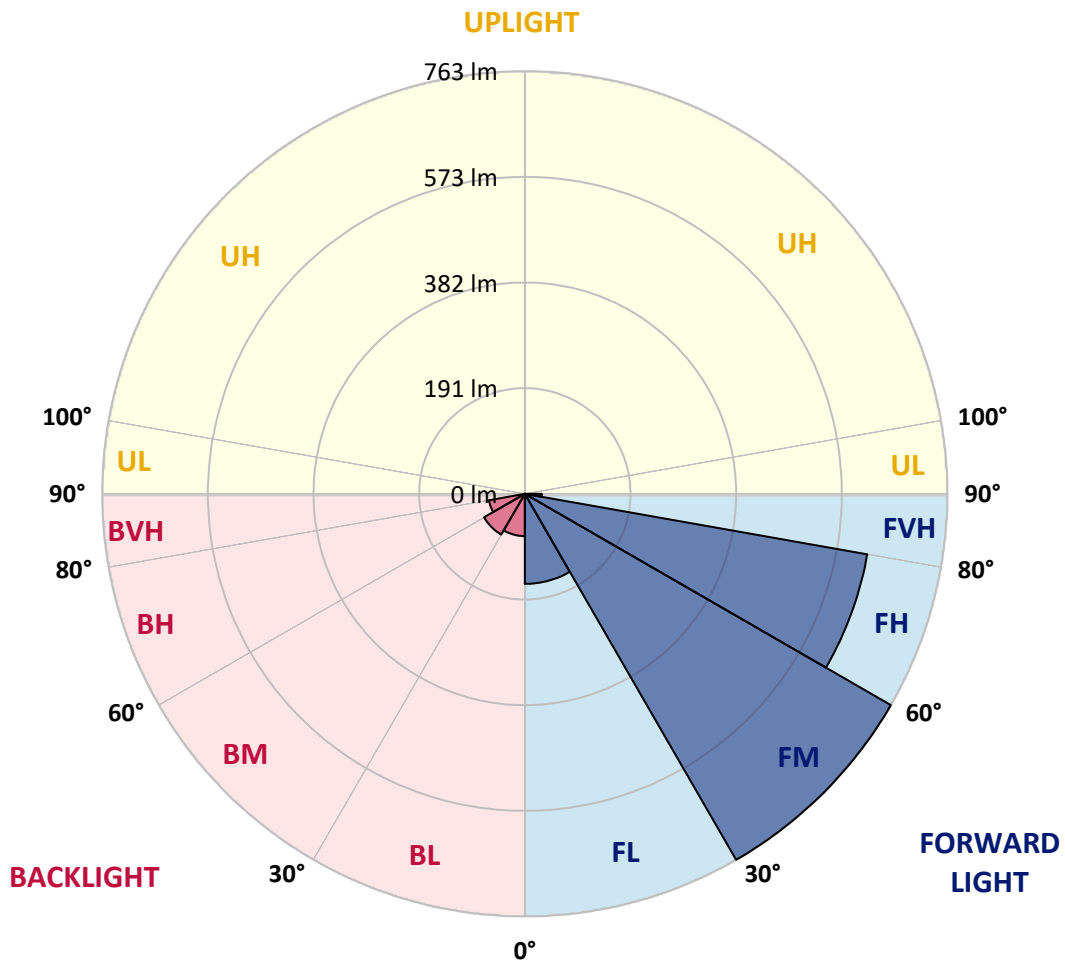


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.7	9.0			
FM (30°-60°)	763.4	42.1			
FH (60°-80°)	628.1	34.6			G0/660
FVH (80°-90°)	30.5	1.7			G1/100
BL (0°-30°)	76.4	4.2	B0/110		
BM (30°-60°)	85.0	4.7	B0/220		
BH (60°-80°)	65.9	3.6	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7
2.5°	425.4	427.6	430.7	435.0	438.1	436.4	437.7	445.1	441.2	444.7	442.9
5°	401.8	404.0	408.4	408.0	411.5	418.0	426.7	436.4	432.0	442.5	446.4
7.5°	377.4	376.5	376.5	385.7	393.1	402.3	407.1	422.8	423.2	432.4	442.0
10°	355.1	357.7	362.1	365.6	372.6	385.7	399.7	411.9	416.7	435.0	437.7
12.5°	341.6	342.9	348.1	351.2	360.4	373.0	387.9	403.6	407.5	426.3	439.0
15°	335.9	338.9	340.7	346.4	351.2	363.0	373.9	391.8	403.2	418.0	433.7
17.5°	340.3	338.9	339.8	341.6	347.2	357.7	369.5	387.4	391.4	416.3	439.8
20°	345.9	346.4	343.8	342.9	341.6	351.6	361.2	384.4	388.7	416.3	443.8
22.5°	361.2	356.4	361.2	354.2	347.2	351.6	360.8	384.8	387.9	415.8	447.7
25°	380.0	380.9	382.2	367.3	357.3	354.2	363.8	386.1	388.7	419.3	449.5
27.5°	406.7	410.6	404.0	396.6	376.5	361.2	363.4	385.2	390.1	417.6	453.8
30°	442.5	439.4	440.3	423.2	403.6	379.6	373.5	387.4	390.9	419.8	462.1
32.5°	473.5	470.0	476.1	470.0	439.0	405.8	385.2	391.8	395.7	425.0	469.1
35°	492.7	497.1	506.7	513.2	487.0	439.8	404.9	403.6	405.3	427.6	474.4
37.5°	522.4	530.3	538.1	554.7	532.0	481.8	435.9	418.9	415.8	440.3	477.0
40°	554.7	552.5	575.7	595.3	594.5	540.7	479.2	446.0	441.6	460.4	494.4
42.5°	581.8	579.6	605.4	637.7	641.2	597.5	528.5	484.4	480.5	491.4	515.8
45°	617.2	618.9	649.5	687.9	700.6	672.7	595.3	539.4	537.3	533.8	556.5
47.5°	648.6	658.2	684.4	729.9	775.7	750.4	674.0	619.8	604.5	596.7	619.4
50°	670.5	679.2	711.1	759.6	843.4	859.6	762.2	705.4	705.9	686.6	698.9
52.5°	670.5	670.0	695.8	759.6	890.6	973.6	880.1	813.3	816.8	796.7	797.6
55°	605.8	604.5	636.0	703.7	885.4	1083.2	1058.8	950.0	941.3	902.4	906.3
57.5°	487.9	491.0	515.0	596.2	817.2	1134.3	1271.5	1103.8	1074.1	993.7	993.7
60°	356.0	353.4	371.3	428.1	654.7	1115.1	1446.2	1285.0	1238.3	1069.3	1057.9
62.5°	270.8	270.4	275.2	294.4	415.4	972.3	1521.3	1515.7	1439.7	1143.5	1127.4
65°	218.8	219.7	226.3	239.8	253.8	663.0	1481.6	1790.8	1721.4	1254.0	1201.2
67.5°	178.6	180.8	188.7	218.0	214.9	343.3	1261.9	1948.5	1961.6	1422.6	1300.3
70°	137.6	141.1	150.3	191.8	207.0	228.4	874.9	1869.9	1904.8	1527.5	1240.5
72.5°	93.5	93.0	112.7	155.5	209.2	209.2	487.0	1506.0	1539.2	1408.2	1077.6
75°	50.7	53.7	74.7	117.5	191.8	202.2	277.4	1102.0	1148.8	1095.0	833.4
77.5°	27.5	28.0	41.5	76.9	159.4	193.1	185.2	749.5	767.9	660.4	456.4
80°	14.4	14.9	21.8	50.2	110.1	179.1	154.2	446.8	429.4	253.3	150.7
82.5°	6.6	7.0	10.9	31.4	70.3	141.1	133.2	215.8	199.2	70.8	45.9
85°	2.6	2.6	4.8	18.8	41.1	69.4	114.0	108.3	90.4	21.4	22.7
87.5°	0.9	0.9	1.3	7.4	16.6	41.5	60.7	57.2	39.3	7.9	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7
2.5°	441.2	446.0	444.7	443.8	435.5	434.6	433.7	425.9	428.5	421.9	426.3
5°	443.8	446.4	439.4	426.3	414.5	401.4	391.4	384.4	371.7	366.9	366.0
7.5°	441.2	441.2	426.7	405.8	382.6	361.2	334.1	314.9	300.5	289.6	293.5
10°	437.7	432.4	417.6	380.4	338.5	306.2	267.3	238.9	217.5	210.5	206.2
12.5°	437.7	428.5	395.3	344.6	290.5	241.5	195.2	158.1	137.6	125.4	123.6
15°	433.7	420.2	379.1	311.0	243.7	177.3	124.5	92.6	75.1	70.3	68.6
17.5°	434.6	418.4	355.1	271.2	189.1	117.9	76.0	58.5	54.2	52.0	52.4
20°	436.4	418.4	333.7	232.4	136.3	73.4	52.4	49.4	47.2	46.3	46.7
22.5°	442.0	410.1	311.9	192.6	92.2	52.9	46.3	43.2	41.5	40.2	39.7
25°	442.9	408.8	290.9	153.3	63.3	44.6	40.6	37.1	34.9	33.2	32.8
27.5°	441.6	403.2	261.6	114.0	47.6	39.7	34.5	31.0	28.0	26.6	26.2
30°	446.4	392.7	236.7	82.1	40.2	34.5	29.3	25.3	22.7	21.0	21.0
32.5°	446.8	383.5	209.2	58.5	36.7	30.6	24.9	20.5	17.9	17.0	17.0
35°	447.3	375.2	178.6	44.6	32.8	26.2	20.5	17.0	15.3	14.0	14.0
37.5°	448.6	369.1	150.7	37.6	29.3	22.3	17.0	14.0	12.2	11.8	11.8
40°	451.2	360.8	121.4	33.2	25.3	18.8	14.4	11.8	10.0	9.6	9.2
42.5°	458.2	358.6	97.0	29.7	22.7	15.7	11.8	9.6	8.3	7.4	7.0
45°	487.0	364.3	75.1	27.5	19.2	13.1	10.0	7.9	6.1	5.7	5.2
47.5°	534.2	383.1	59.4	24.5	16.2	10.9	8.3	6.1	4.8	4.4	3.9
50°	605.8	425.9	48.5	21.8	13.5	9.2	6.6	4.8	3.5	3.1	3.1
52.5°	699.7	483.5	41.9	19.2	10.9	7.9	5.2	3.5	2.6	2.2	2.2
55°	795.8	551.7	39.3	16.6	9.2	6.6	3.9	2.6	1.7	1.3	1.3
57.5°	884.1	595.8	38.0	13.5	7.9	4.8	3.1	1.7	0.9	0.4	0.4
60°	939.1	628.1	34.1	10.9	6.1	3.9	2.2	0.9	0.4	0.0	0.0
62.5°	1011.6	660.9	28.0	8.3	4.4	2.6	1.3	0.4	0.0	0.0	0.0
65°	1107.3	697.6	21.8	6.6	3.5	1.7	0.9	0.4	0.0	0.0	0.0
67.5°	1153.1	678.3	14.9	4.8	2.2	0.9	0.4	0.0	0.0	0.0	0.0
70°	1061.4	571.3	10.5	3.5	1.3	0.4	0.4	0.0	0.0	0.0	0.0
72.5°	892.4	447.7	7.9	2.2	0.9	0.4	0.0	0.0	0.0	0.0	0.0
75°	657.8	280.0	6.1	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	349.0	104.4	4.4	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	103.1	30.6	3.1	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	34.1	9.2	1.7	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	17.5	3.5	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.0	1.3	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)